

PANASONIC Signal Relays



This product is RoHS compliant.

Panasonic automotive relays offer a sealed construction, ideal for harsh environments where resistance to moisture and contamination is essential. In addition to standard automotive applications, they are used extensively in construction and agricultural vehicles, as well as recreational vehicles and commercial landscaping equipment. Panasonic offers a full range of automotive relays.

TN SERIES

- 2 Form C Slim type: 14.0(L) x 9.0(W) x 5.0(H)
- Dimensions: L=14(.551), W=5.6(.220), H=9.5(.374)
- Surge breakdown voltage: 1500V FCC Part 68

- Low thermal electromotive force
- Outstanding vibration and shock resistance



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-TN2-12V	TN2-12V	A	1	12	2 Form C	PCB	4.05	3.64	3.32	2.91
769-TN2-24V	TN2-24V	A	1	24	2 Form C	PCB	5.29	4.66	4.32	3.67
769-TN2-3V	TN2-3V	A	1	3	2 Form C	PCB	4.48	4.10	3.66	3.11
769-TN2-4.5V	TN2-4.5V	A	1	4.5	2 Form C	PCB	4.48	3.93	3.66	2.88
769-TN2-5V	TN2-5V	A	1	5	2 Form C	PCB	4.05	3.73	3.39	2.99
769-TN2-6V	TN2-6V	A	1	6	2 Form C	PCB	4.67	4.27	3.82	3.24
769-TN2-9V	TN2-9V	A	1	9	2 Form C	PCB	4.48	4.10	3.66	3.11
769-TN2-L-12V	TN2-L-12V	A	1	12	2 Form C	PCB	5.52	5.04	4.52	3.83
769-TN2-L2-12V	TN2-L2-12V	A	1	24	2 Form C	PCB	5.75	5.15	4.70	4.01
769-TN2-L2-24V	TN2-L2-24V	A	1	24	2 Form C	PCB	6.27	5.68	5.12	4.35
769-TN2-L2-3V	TN2-L2-3V	A	1	3	2 Form C	PCB	5.79	5.26	4.74	4.01
769-TN2-L2-4.5V	TN2-L2-4.5V	A	1	4.5	2 Form C	PCB	5.80	5.32	4.74	4.01
769-TN2-L2-5V	TN2-L2-5V	A	1	5	2 Form C	PCB	4.66	4.29	4.04	3.82
769-TN2-L-5V	TN2-L-5V	A	1	5	2 Form C	PCB	5.53	5.04	4.52	3.83

TQ SERIES

- Flat compact size: L=14.0(.551) x W=9.0(.354) x H=5.0(.197)
- High density mounting possible
- DL terminal array enables use of IC sockets
- Low thermal electromotive force

- A range of surface-mount types is also available:
SA: Low-profile surface-mount terminal type
SL: High connection reliability surface mount terminal type
SS: Space saving surface mount



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-TQ2-12V	TQ2-12V	B	1	12	2 Form C	PCB	3.35	3.00	2.72	2.28
769-TQ2-24V	TQ2-24V	B	1	24	2 Form C	PCB	3.70	3.40	3.27	2.75
769-TQ2-3V	TQ2-3V	B	1	3	2 Form C	PCB	3.01	2.76	2.46	2.09
769-TQ2-4.5V	TQ2-4.5V	B	1	4.5	2 Form C	PCB	2.49	2.41	2.34	2.09
769-TQ2-48V	TQ2-48V	B	1	48	2 Form C	PCB	5.35	4.90	4.38	3.71
769-TQ2-5V	TQ2-5V	B	1	5	2 Form C	PCB	3.35	3.00	2.72	2.28
769-TQ2-6V	TQ2-6V	B	1	6	2 Form C	PCB	3.45	3.16	2.82	2.39
769-TQ2-9V	TQ2-9V	B	1	9	2 Form C	PCB	3.45	3.16	2.82	2.39
769-TQ2H-5V	TQ2H-5V	B	1	5	2 Form C	PCB	3.19	2.93	2.60	2.39
769-TQ2-L-12V	TQ2-L-12V	B	1	12	2 Form C	PCB	3.62	3.51	3.27	2.73
769-TQ2-L2-24V	TQ2-L2-24V	B	1	24	2 Form C	PCB	3.49	3.40	3.31	2.97
769-TQ2-L2-3V	TQ2-L2-3V	B	1	3	2 Form C	PCB	4.22	3.90	3.50	2.99
769-TQ2-L2-4.5V	TQ2-L2-4.5V	B	1	4.5	2 Form C	PCB	4.33	3.96	3.54	2.99
769-TQ2-L2-5V	TQ2-L2-5V	B	1	5	2 Form C	PCB	3.62	3.34	3.08	2.61
769-TQ2-L2-6V	TQ2-L2-6V	B	1	6	2 Form C	PCB	4.33	3.96	3.54	3.00
769-TQ2-L2-9V	TQ2-L2-9V	B	1	9	2 Form C	PCB	4.22	3.90	3.50	2.99
769-TQ2-L-3V	TQ2-L-3V	B	1	3	2 Form C	PCB	3.62	3.32	2.96	2.51
769-TQ2-L-4.5V	TQ2-L-4.5V	B	1	4.5	2 Form C	PCB	3.62	3.32	2.96	2.51
769-TQ2-L-5V	TQ2-L-5V	B	1	5	2 Form C	PCB	4.15	3.81	3.40	2.88

SA SMD Type

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-TQ2SA-1.5V	TQ2SA-1.5V	C1	2	1.5	2 Form C	SMD	3.74	3.44	3.06	2.60
769-TQ2SA-12V	TQ2SA-12V	C1	2	12	2 Form C	SMD	3.26	3.16	3.00	2.51
769-TQ2SA-24V	TQ2SA-24V	C1	2	24	2 Form C	SMD	4.12	3.66	3.48	3.11
769-TQ2SA-3V	TQ2SA-3V	C1	2	3	2 Form C	SMD	3.43	3.15	2.80	2.38
769-TQ2SA-4.5V	TQ2SA-4.5V	C1	2	4.5	2 Form C	SMD	3.43	3.14	2.80	2.28
769-TQ2SA-48V	TQ2SA-48V	C1	2	48	2 Form C	SMD	5.33	4.89	4.34	4.00
769-TQ2SA-5V	TQ2SA-5V	C1	2	5	2 Form C	SMD	3.45	3.06	2.91	2.60
769-TQ2SA-9V	TQ2SA-9V	C1	2	9	2 Form C	SMD	3.74	3.43	3.06	2.60
769-TQ2SA-L2-12V	TQ2SA-L2-12V	C1	2	12	2 Form C	SMD	4.19	4.06	3.75	3.14
769-TQ2SA-L2-24V	TQ2SA-L2-24V	C1	2	24	2 Form C	SMD	5.24	4.80	4.28	3.63
769-TQ2SA-L2-3V	TQ2SA-L2-3V	C1	2	3	2 Form C	SMD	4.70	4.31	3.84	3.25
769-TQ2SA-L2-4.5V	TQ2SA-L2-4.5V	C1	2	4.5	2 Form C	SMD	4.69	4.30	3.84	3.25
769-TQ2SA-L2-5V	TQ2SA-L2-5V	C1	2	5	2 Form C	SMD	3.77	3.56	3.38	3.01
769-TQ2SA-L-4.5V	TQ2SA-L-4.5V	C1	2	4.5	2 Form C	SMD	4.48	4.10	3.66	3.10
769-TQ2SA-L-5V	TQ2SA-L-5V	C1	2	5	2 Form C	SMD	3.23	3.13	3.03	2.83

SL SMD Type

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-TQ2SL-12V	TQ2SL-12V	C2	2	12	2 Form C	Hi-Conn SMD	3.57	3.28	2.92	2.48
769-TQ2SL-24V	TQ2SL-24V	C2	2	24	2 Form C	Hi-Conn SMD	4.48	4.09	3.66	3.10
769-TQ2SL-3V	TQ2SL-3V	C2	2	3	2 Form C	Hi-Conn SMD	3.74	3.43	3.06	2.60
769-TQ2SL-5V	TQ2SL-5V	C2	2	5	2 Form C	Hi-Conn SMD	3.43	3.15	2.80	2.60
769-TQ2SL-L2-4.5V	TQ2SL-L2-4.5V	C2	2	4.5	2 Form C	Hi-Conn SMD	4.69	4.30	3.84	3.25
769-TQ2SL-L2-5V	TQ2SL-L2-5V	C2	2	5	2 Form C	Hi-Conn SMD	4.29	3.93	3.50	3.25

SS SMD Type

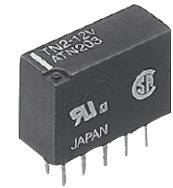
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-TQ2SS-12V	TQ2SS-12V	C3	2	12	2 Form C	Space Save SMD	3.74	3.43	3.06	2.60
769-TQ2SS-L2-12V	TQ2SS-L2-12V	C3	2	12	2 Form C	Space Save SMD	4.69	4.30	3.84	3.25
769-TQ2SS-L2-5V	TQ2SS-L2-5V	C3	2	5	2 Form C	Space Save SMD	4.69	4.30	3.84	3.25
769-TQ2SS-L-5V	TQ2SS-L-5V	C3	2	5	2 Form C	Space Save SMD	4.48	4.10	3.66	3.10

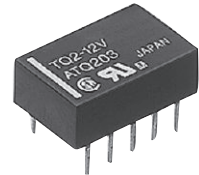
Panasonic

DIMENSIONS: mm (in.)

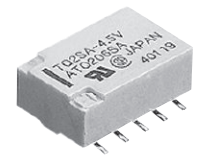
A



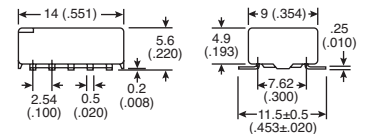
B



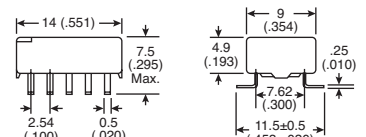
C



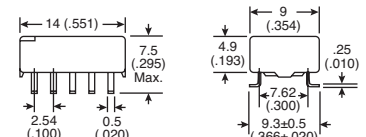
1



2



3



Panasonic Automotive Relays