

# PANASONIC Automotive 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.



RoHS Compliant

## CB1 SERIES

- High thermal resistance of 125°C 257°F (heat resistant type)
- Dimensions: L=26(1.024), W=22(.866), H=25(.984)
- Surge absorbing built-in diode type that works when the relay coil is off
- Terminals are all solder plate

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
<b>Plug-In Type</b>										
769-CB1-12V	CB1-12V	A	40	12	1 Form C	Plug-in	3.74	3.33	3.17	3.01
769-CB1-24V	CB1-24V	A	20	24	1 Form C	Plug-in	4.67	4.29	4.01	3.81
769-CB1A-12V	CB1A-12V	A	40	12	1 Form A	Plug-in	3.55	3.41	3.31	3.21
769-CB1A-24V	CB1A-24V	A	20	24	1 Form A	Plug-in	5.62	5.17	4.60	3.90
769-CB1AH-12V	CB1AH-12V	A	70	12	1 Form A	Plug-in	5.51	5.02	4.47	4.24
769-CB1-R-12V	CB1-R-12V	A	40	12	1 Form C	Plug-in	4.09	4.07	3.75	3.63
769-CB1F-12V	CB1F-12V	A	40	12	1 Form C	Plug-in	4.98	4.48	4.08	3.62
769-CB1F-24V	CB1F-24V	A	20	24	1 Form C	Plug-in	5.81	5.33	4.72	4.02
769-CB1F-R-12V	CB1F-R-12V	A	40	12	1 Form C	Plug-in	4.39	4.03	3.58	3.04
769-CB1F-R-24V	CB1F-R-24V	A	20	24	1 Form C	Plug-in	5.88	5.40	4.80	4.07
<b>Bracket Type</b>										
769-CB1AH-M-12V	CB1AH-M-12V	A	70	12	1 Form A	Bracket	5.59	5.13	4.56	4.29
769-CB1A-M-12V	CB1A-M-12V	A	40	12	1 Form A	Bracket	4.66	4.16	3.95	3.76
769-CB1A-M-24V	CB1A-M-24V	A	20	24	1 Form A	Bracket	5.81	5.33	4.72	4.02
769-CB1F-M-12V	CB1F-M-12V	A	40	12	1 Form C	Bracket	5.18	4.66	4.24	3.76
769-CB1F-M-24V	CB1F-M-24V	A	20	24	1 Form C	Bracket	5.97	5.48	4.88	4.13
769-CB1F-R-WM-12V	CB1F-R-WM-12V	A	40	12	1 Form C	Bracket	6.46	5.93	5.27	4.47
769-CB1-M-12V	CB1-M-12V	A	40	12	1 Form C	Bracket	3.88	3.47	3.29	3.13
769-CB1-M-24V	CB1-M-24V	A	20	24	1 Form A	Bracket	4.82	4.42	3.93	3.79
<b>PC Board Type</b>										
769-CB1-P-12V	CB1-P-12V	A	40	12	1 Form C	PCB	3.74	3.34	3.17	3.01
769-CB1-P-24V	CB1-P-24V	A	20	24	1 Form C	PCB	4.84	4.40	4.04	3.91
769-CB1F-P-12V	CB1F-P-12V	A	40	12	1 Form C	PCB	4.98	4.48	4.08	3.62
769-CB1A-P-12V	CB1A-P-12V	A	40	12	1 Form A	PCB	4.52	4.04	3.83	3.64
769-CB1A-P-24V	CB1A-P-24V	A	20	24	1 Form A	PCB	4.41	4.10	3.85	3.62
769-CB1AF-P-12V	CB1AF-P-12V	A	40	12	1 Form A	PCB	4.09	3.75	3.46	3.20

A



Plug-In Type Shown

B



Plug-In Type Shown

C



## CM SERIES

- Micro-ISO type terminals
- Wide line-up
- Uses international standard ISO terminal arrangement
- Dimensions: L=20(.787), W=15(.591), H=22(.866)



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							1	25	50	100
<b>Plug-In Type</b>										
769-CM1-12V	CM1-12V	B	35	12	1 Form A	Plug-in	3.62	3.32	3.11	2.98
769-CM1-R-12V	CM1-R-12V	B	35	12	1 Form C	Plug-in	4.29	3.86	3.51	3.12

D



## CP SERIES

- Low profile
- PC board terminal type: 9.5mm (.37")
- Sealed construction suitable for harsh environments
- Simple footprint pattern enables ease of PC board layout
- Dimensions: L=13(.512), W=14(.551), H=9.5(.374)



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MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-CP1-12V	CP1-12V	C	20	12	1 Form C	PCB	2.63	2.42	2.24	2.14
769-CP1A-12V	CP1A-12V	C	20	12	1 Form A	PCB	2.57	2.36	2.18	2.08

E



## JJ-M SERIES

- Perfect for automobile electrical systems
- Standard terminal pitch employed
- Compact (half-size)
- Plastic sealed type
- Dimensions: L=15.5(.610), W=12(.472), H=13.9(.547)



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MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-JJM1-12V	JJM1-12V	D	20	12	1 Form C	PCB	3.01	2.76	2.46	2.27

## JS-M SERIES

- Low pick-up voltage for high ambient use
- Sealed construction
- Global standard terminal pitch
- Usable at high temperature: 85°C, 185°F
- Dimensions: L=22(.866) W=16(.630) H=16(.630)



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MOUSER STOCK NO.	Panasonic Part No.	Fig.	Current Rating (A)	Voltage (VDC)	Contact Arrangement	Mounting Type	Price Each			
							1	25	50	100
769-JSM1-12V-4	JSM1-12V-4	E	10	12	1 Form C	PCB	1.51	1.38	1.24	1.04
769-JSM1-12V-5	JSM1-12V-5	E	15	12	1 Form C	PCB	1.67	1.53	1.36	1.15
769-JSM1A-12V-4	JSM1A-12V-4	E	10	12	1 Form A	PCB	1.40	1.28	1.14	.96