

IR Receivers

**Top Performance in a
Miniature Double Lens
Package**

HEIMDALL



**Superior Performance and
Very Low Profile Design**

BELOBOG



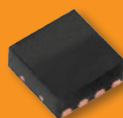
**Universal Surface-Mount
Receiver**

PANHEAD



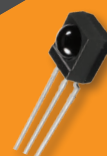
**Maximum Freedom
for Designers**

VSOP



**Good Transmission
Distance**

MOLD



**Attractive Price and
Performance**

MINICAST



**Best Transmission
Distance**

MINIMOLD



**Industry-First Native
Top-View Receiver in a
Through-Hole Package**

TVMOLD



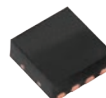


IR RECEIVERS

Focus Products

Vishay is the world's leading supplier of infrared (IR) receivers. No other supplier offers a similar breadth of products, holders, application and technical support, and overall knowledge of IR communication. Our customers have confidence that our IR receivers will receive remote control signals while filtering out noise in the most demanding ambient environments. Vishay's IR receivers are used for remote control and for transmissive and reflective sensors.

Code, Applications	Carrier Freq. (kHz)	Best AGC						
			Belobog 3.95 W x 3.95 H x 0.8 D (mm)	Belobog Shield 4.3 W x 4.3 H x 1.0 D (mm)	Heimdall No Lens 6.8 W x 3.0 H x 2.3 D (mm)	Heimdall 6.8 W x 3.0 H x 3.2 D (mm)	Panhead 7.5 W x 5.3 H x 4.0 D (mm)	TVCastSMD 6.8 W x 2.6 H x 5.3 D (mm)
RC-5	36	4	TSOP37436 TSOP57436	TSOP37436H TSOP57436H	TSOP75436W	TSOP75436	TSOP36436	TSOP39436TR
RC-6	36				TSOP77436W	TSOP77436	TSOP6436	TSOP59436TR
Panasonic	36.7							
NEC	38	4	TSOP37438 TSOP57438	TSOP37438H TSOP57438H	TSOP75438W	TSOP75438	TSOP36436	TSOP39438TR
Sharp					TSOP77438W	TSOP77438	TSOP6438	TSOP59438TR
r-step	56	4	TSOP57456	TSOP37456H TSOP57456H	TSOP75456W	TSOP75456	TSOP36456	TSOP39456TR
Thomson RCA					TSOP77456W	TSOP77456	TSOP6456	TSOP59536TR
MCIR	36	3 or 5	TSOP37336 TSOP57336	TSOP37336H TSOP57336H	TSOP75536W TSOP77336W	TSOP75536 TSOP77336	TSOP36536 TSOP6336	TSOP39538TR TSOP59538TR
Mitsubishi	38	3 or 5	TSOP37338 TSOP57338	TSOP37338H TSOP57338H	TSOP75538W	TSOP75538	TSOP36538	TSOP39538TR
RECS-80 Code		3 or 5			TSOP77338W	TSOP77338	TSOP6338	TSOP59538TR
r-map		3 or 5						
XMP-1, XMP-2	38	3	TSOP57338	TSOP57338H	TSOP75338W	TSOP75338	TSOP36338	TSOP39338TR
Presence Sensor	38	-	TSSP57038	TSSP57038H		TSSP77038	TSSP6038	
(Fixed Gain)								
Proximity Sensor	38	-	TSSP57P38	TSSP57P38H		TSSP77P38	TSSP6P38	
Code Learning / Repeater	Carrier out	-				TSMP77000	TSMP6000	



Also available
VSOP Remote Control IC without Photodiode
Surface-mount 2.0 W x 2.0 H x 0.76 D (mm)



IR RECEIVERS

Focus Products

Holders and bends.
Over 60 different holders and 20 different
lead bend and cut options available.



Code, Applications	Carrier Freq. (kHz)			
		Mold 6.0 W x 6.95 H x 5.6 D (mm)	Minicast 5.0 W x 6.95 H x 4.8 D (mm)	Minimold 5.4 W x 6.35 H x 5.0 D (mm)
RC-5	36	TSOP14636	TSOP18636	TSOP13636
		TSOP94636	TSOP98636	TSOP94636
RC-6	36	TSOP14436	TSOP18436	TSOP13436
		TSOP94436	TSOP98436	TSOP93436
Panasonic	36.7	TSOP14436	TSOP18436	TSOP13436
		TSOP94636	TSOP98636	TSOP94636
NEC	38	TSOP14638	TSOP18638	TSOP13638
		TSOP94638	TSOP98638	TSOP94638
Sharp	38	TSOP14438	TSOP18438	TSOP13438
		TSOP94638	TSOP98638	TSOP94638
r-step	56	TSOP14456	TSOP18456	TSOP13456
		TSOP94456	TSOP98456	TSOP93456
RCA	56	TSOP14656	TSOP18656	TSOP13456
		TSOP94456	TSOP98456	TSOP93456
MCIR	36	TSOP14436	TSOP18436	TSOP13436
		TSOP94436	TSOP98436	TSOP93436
Mitsubishi	38	TSOP14438	TSOP18438	TSOP13438
		TSOP94438	TSOP98638	TSOP94638
RECS-80 Code	38	TSOP14338	TSOP18338	TSOP13338
		TSOP94338	TSOP98338	TSOP93338
r-map	56	TSOP14356	TSOP18356	TSOP13356
		TSOP94556	TSOP98556	TSOP93556
XMP-1, XMP-2	38	TSOP14338	TSOP18338	TSOP13338
		TSOP94338	TSOP98338	TSOP93338
Presence Sensor	38	TSSP40...	TSSP58038	TSSP530...
(Fixed Gain)	56			
Proximity Sensor	38	TSSP4P38	TSSP58P38	
Code Learning / Repeater	Carrier out		TSMP58000	
		TSMP4138	TSMP58138	

Optoelectronics

Bright Ideas, Stellar Products

Advantages of Vishay IR Receivers

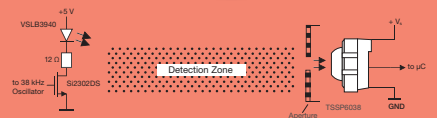
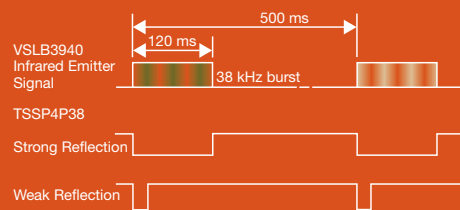
- Highest sensitivity and longest transmission distance
- Best overall noise suppression performance via automatic gain control (AGC)
- Lowest power consumption

For the Following Applications

- Remote control in consumer applications
- Transmissive and reflective sensors
- Learning function for universal remotes



Reflective Sensor



Useful Links

- IR Receiver Home Page
www.vishay.com/ir-receiver-modules/
- IR Receiver Selector Guide
www.vishay.com/doc?49009
- Infrared Light Barriers
www.vishay.com/doc?49650
- Reflective Sensors
www.vishay.com/doc?49664

HALOGEN
FREE



GREEN
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RoHS
COMPLIANT