

## Power Schottky Barrier Diodes(For Large-Signal Use) ML type(Micaless Type)

Sanyo Schottky barrier diodes (SBD) have been developed by our original technology. They are available for making sets smaller in size and lighter in weight.

Sanyo resin-molded type (ML type) SBDs with breakdown voltage of 50V and 90V can be applied to various uses.

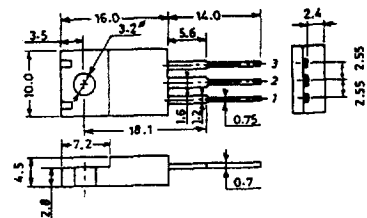
### Features

- ☆ High reliability because of planar type.
- ☆ Very low forward voltage.
- ☆ Low switching noise.
- ☆ We have a product line with breakdown voltages of 50V and 90V.  
Product line of SBA type which realized blocking voltage of 180V and low VF and shown on other pages.  
See the tables.
- ☆ Micaless package can be mounted easily.

(-) sign is omitted

Type No.	Package	Absolute Maximum Ratings/Ta=25°C			Electrical Characteristics/Ta=25°C								
		V <sub>RRM</sub> (V)	I <sub>O</sub> (A)	I <sub>FSM</sub> (A)	I <sub>F</sub> (A)	V <sub>F</sub> max (V)	I <sub>R</sub> max (mA)	t <sub>rr</sub> max (nS)	R <sub>thj-c</sub> (°C/W)				
SB20-05J	TO-220ML	50	2	60	1	0.55	0.1	2	30	5.5			
SB40-05J			4	80	2		0.2		40	4.5			
SB60-05J			6	100	3		0.3		50	4.0			
SB80-05J			8	100	4		0.4		60	3.5			
SB100-05J			10	100	5		0.5		60	3.5			
SB120-05R	TO-3PML	50	12	120	6	0.55	0.6	2	70	2.2			
SB160-05R			16	140	8		0.8		75	2.0			
SB200-05R			20	200	10		1		85	1.8			
SB250-05R			25	250	12.5		1.2		90	1.7			
SB300-05R			30	250	15		1.5		90	1.7			
SB30-09J	TO-220ML	90	3	40	1.2	0.85	0.2	2	30	5.5			
SB50-09J			5	60	2		0.2		35	4.5			
SB80-09J			8	80	3		0.3		40	4.0			
SB100-09J	10		80	4	0.4		45		3.5				
SB160-09R	TO-3PML		90	16	100		6		0.85	0.6	2	50	2.2
SB200-09R				20	120		8			0.8		55	2.0
SB250-09R				25	160		10			1		60	1.8
SB300-09R				30	180		12			1.2		70	1.7

Case Outlines(unit:mm)  
1:Anode, 2:Cathode, 3:Anode  
SANYO:TO-220ML



SANYO:TO-3PML

