

Schottky Barrier Diodes

●For Rectifiers

Power diodes capable of carrying 1A to 10A are now under development. Current products are in DO-34 (glass), round molded and TO-220FD Packages. Low V_F design helps reducing power loss.

Part No.	V_{RM} (V)	V_R (V)	I_O (A)	I_{FSM} (A)	f [Hz] 1~	T_J (°C)	T_{stg} (°C)	V_F (V) Max.		I_R (mA) Max.		C_T (pF)		Package	
								I_F (A)	V_R (V)	I_F (A)	V_R (V)	V_R (V)	f (MHz)		
New RB015T-40	40	40	10	60	50	125	-40~+125	0.55	5	3	40	—	—	TO-220FD	Fig.1
New RB025T-40	40	40	5	60	50	125	-40~+125	0.55	2.5	2	40	—	—	TO-220FD	Fig.1
RB100A	40	—	1	40	60	125	-40~+125	0.55	1	1	40	6	10	MSR	—
RB441Q	20	10	0.1	1	60	125	-40~+125	0.55	0.10	0.01	10	—	—	DO-34	—

●For Small Signal

Housed in DO-34 glass package and most suitable for small shot signal applications such as detection. V_{OF} of $I_{OFF}=1mA$ has low V_{OF} of 0.3%

Part No.	Absolute maximum ratings (Ta=25°C)						Electrical Optical characteristics (Ta=25°C)						Package	
	VRM (V)	VR (V)	Io (mA)	IFSM (A) 80Hz・1~	Tj (°C)	Tstg (°C)	VF (V) Max.	IR (μA) Max.	VR (V)	CT (pF) Typ.				
							IF (mA)			VR (V)	VR (V)	f (MHz)		
RB721Q	25	20	30	0.2	125	-40~+125	0.37	1	1	10	2	1	1	DO-34

Low-voltage Regulators

●Glass-sealed LEDs

Zeners of less than 2V using forward characteristics of LED, capable of delivering low regulated voltage.

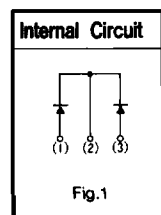
Glass sealed type with 5mm pitch. Because of LED these regulators can be used also as PCB checking light.

Part No.	Absolute maximum ratings (Ta=25°C)					Electrical Optical characteristics (Ta=25°C)														Emitting Color	Package
	P (mW)	IF (mA)	VR (V)	Topr (°C)	Tstg (°C)	VF (V)		VF (V)		IR (μA)	VR (V)	Luminance (Acd)		Δλ (nm)	λp						
						Min.	Max.	IF (mA)	Min.			Max.	IF (μA)		Min.	IF (mA DC)	Typ.	IF (mA DC)			
LTZ-MR15	25	10	5	-25~80	-25~100	1.70	2.30	10	1.35	1.85	10	4	30	5	90	10	700	10	Red	DO-34*	

(Unit : mm)

TO-220FD	MSR
DO-34	DO-34* (LTZ-MR15)

Note : * : DO-34 having this mark has larger glass tube.



●Product Designation

- When ordering, specify the type.
- Check each code against the tables shown below.
- Fill a space with the next character.

R B 1 0 0 A T - 3 2

Part No.

Packaging

Bulk : Blank (TO-220FD : Bulk only)
Radial taping
Axial taping
Forming

LTZ-MR15 : T-77 or T-72 only

Schottky Barrier Diodes / Low-voltage Regulators
Band Switching Diodes / Rectifier Diodes

DO-34

The Glass and Metal sealing
leads for Surface and Small
Standard Products leads

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