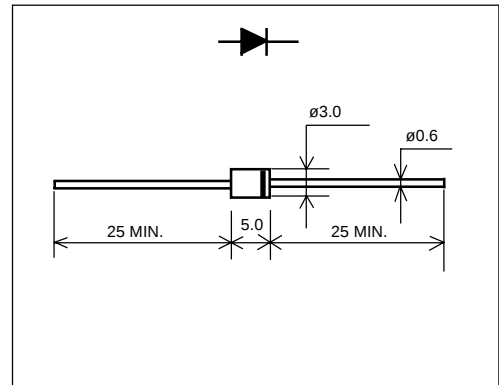


ERA81-004 (1A)

(40V / 1A)

SCHOTTKY BARRIER DIODE

■ Outline drawings, mm



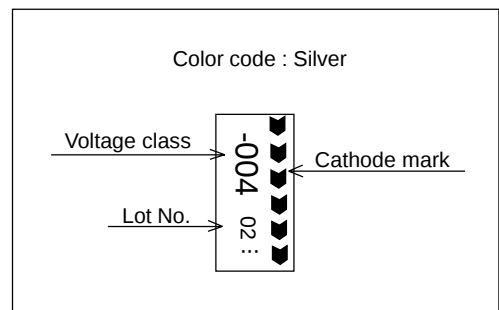
■ Features

- Low V_F
- Super high speed switching
- High reliability by planer design

■ Applications

- High speed switching

■ Marking



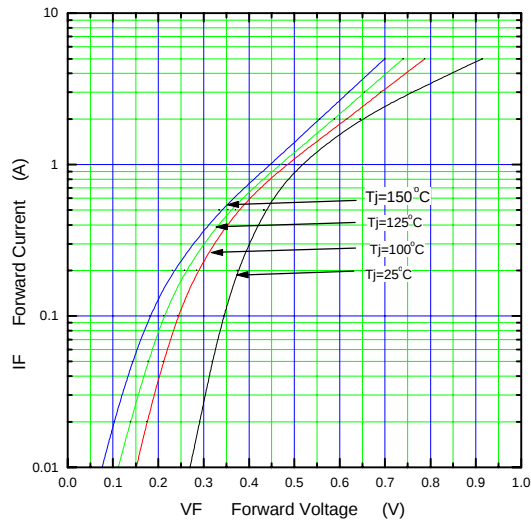
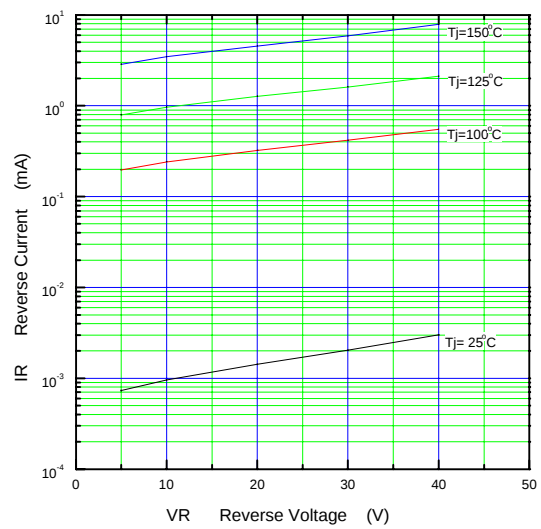
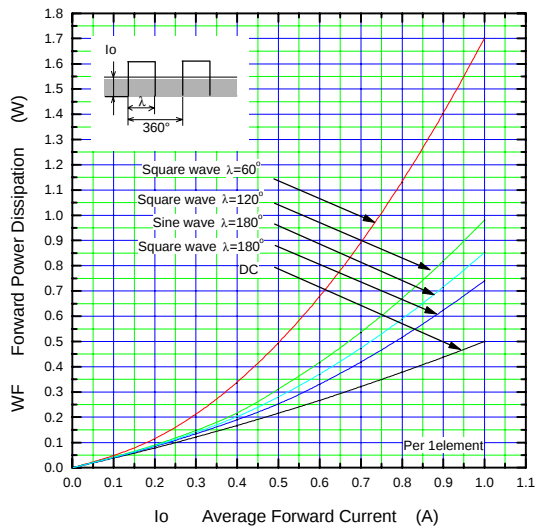
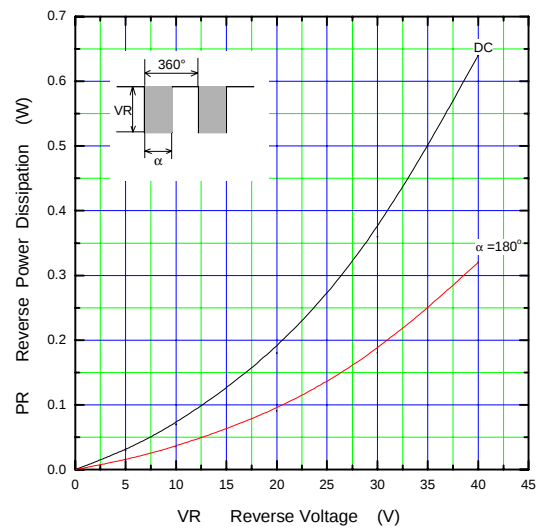
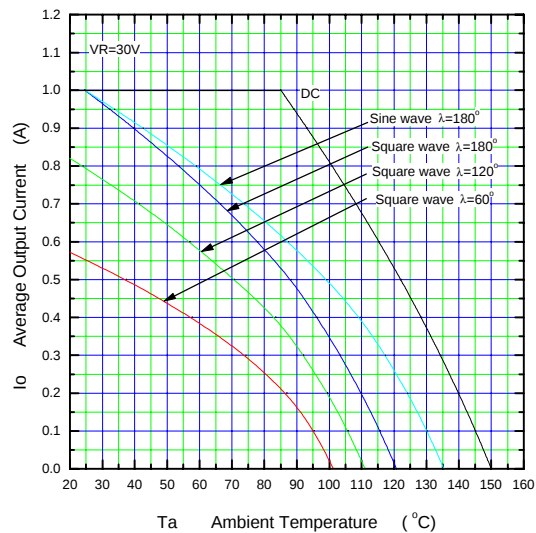
■ Maximum ratings and characteristics

- Absolute maximum ratings

Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}		40	V
Average forward current	$I_{F(AV)}$	Sine wave duty = 1/2 $T_a=25^{\circ}C$	1.0	A
Surge current	I_{FSM}	Sine wave 10ms	50	A
Operating junction temperature	T_j		-40 to +150	$^{\circ}C$
Storage temperature	T_{stg}		-40 to +150	$^{\circ}C$

- Electrical characteristics ($T_a=25^{\circ}C$ Unless otherwise specified)

Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	V_{FM}	$I_{FM}=1.0A$	0.55	V
Reverse current	I_{RRM}	$V_R=V_{RRM}$	2.0	mA

■ Characteristics**Forward Characteristic (typ.)****Reverse Characteristic (typ.)****Forward Power Dissipation****Reverse Power Dissipation****Current Derating (I_O - T_a)****Current Derating (I_O - T_l)**