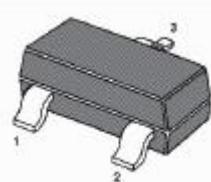
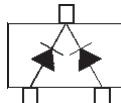


SOT 23 Plastic Encapsulate Diodes

RB495D 6&+277.<%\$55,(5',2'(

FEATURES

- ⌘ 6PD00 6XUIDFH 0RXQWLQJ 7\SH
- ⌘ /RZ)RUZDUG 9ROWDJH
- ⌘ /RZ 5HYHUVH &XUUHQW
- ⌘ +LJK 5HOLDELOLW\



627 3ODVWLF 3DFNDJH

APPLICATIONS

- ⌘ *HQHUDO 5HFWLILFDWLRQ

MARKING: D3Q

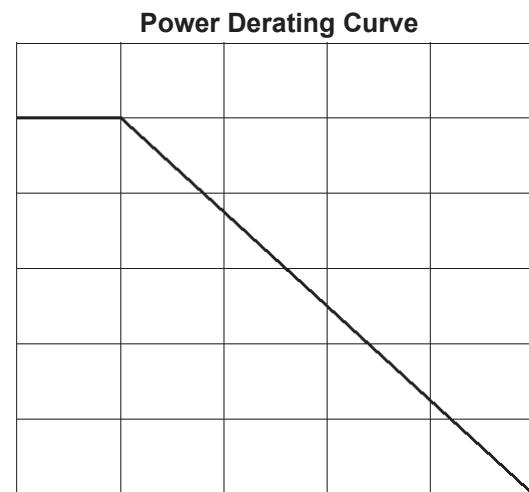
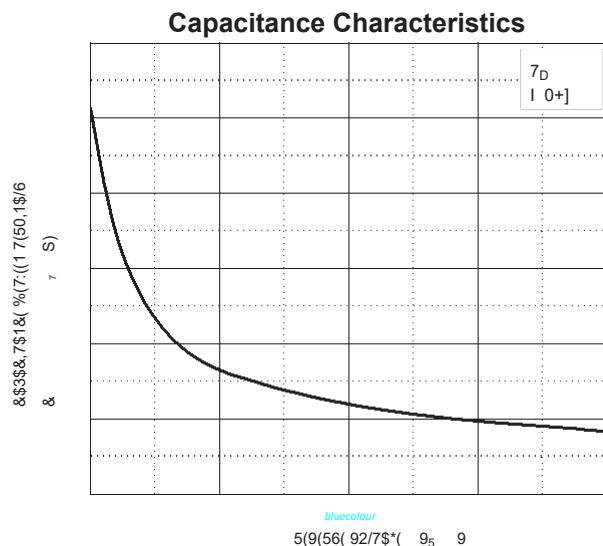
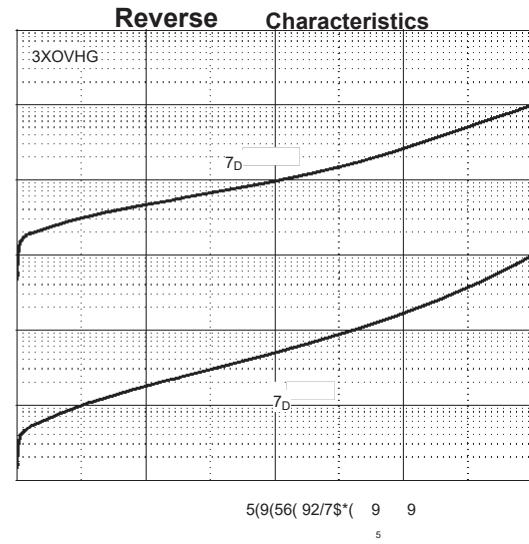
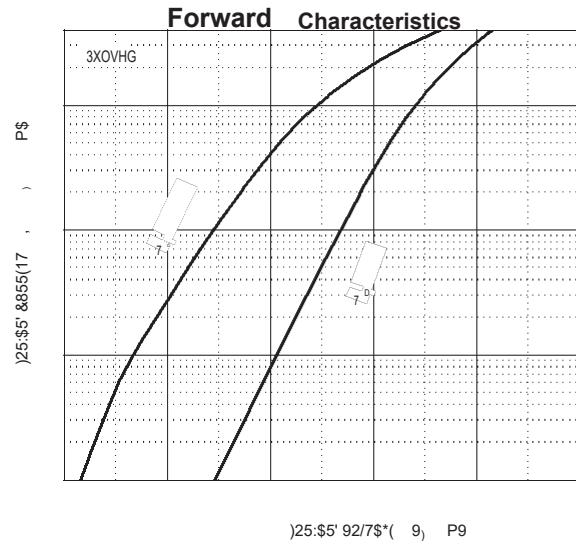
MAXIMUM RATINGS ($T_a=25^\circ\text{A}$ unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{RRM}	3HDN 5HSHWLWLYH 5HYHUVH 9ROWDJH		9
V_{RWM}	:RUNLQJ 3HDN 5HYHUVH 9ROWDJH		
$V_{R(RMS)}$	506 5HYHUVH 9ROWDJH		9
I_o	&RQWLQXRXV)RUZDUG &XUUHQW		P\$
I_{FSM}	1RQ UHSHWLWLYH 3HDN)RUZDUG 6XUJH &XUUHQW#W PV		\$
P_D	3RZHU 'LVVLSDWLRQ		P:
$R_{θJA}$	7KHUPDO 5HVLWDQFH IURP -XQFWLRQ WR \$PELHQW		Я :
T_J	-XQFWLRQ 7HPHUDWXUH		Я
T_{stg}	6WRUDJH 7HPHUDWXUH	a	Я

ELECTRICAL CHARACTERISTICS($T_a=25^\circ\text{A}$ unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	9 %5	,5 3\$				9
Reverse current	,5	95 9				3\$
Forward voltage	9)	,) P\$				9
		,) P\$				

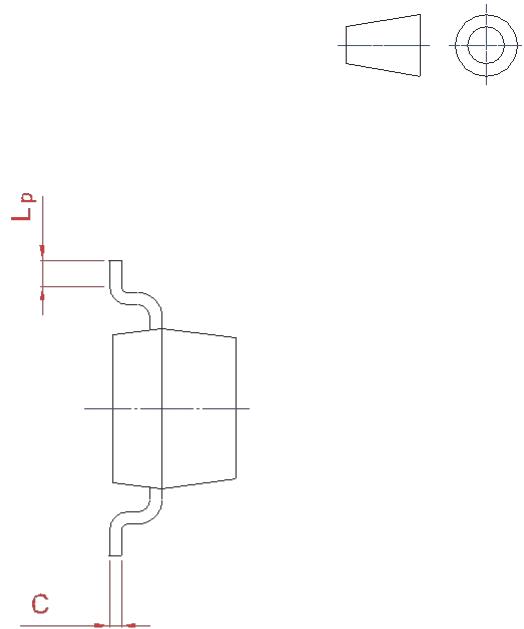
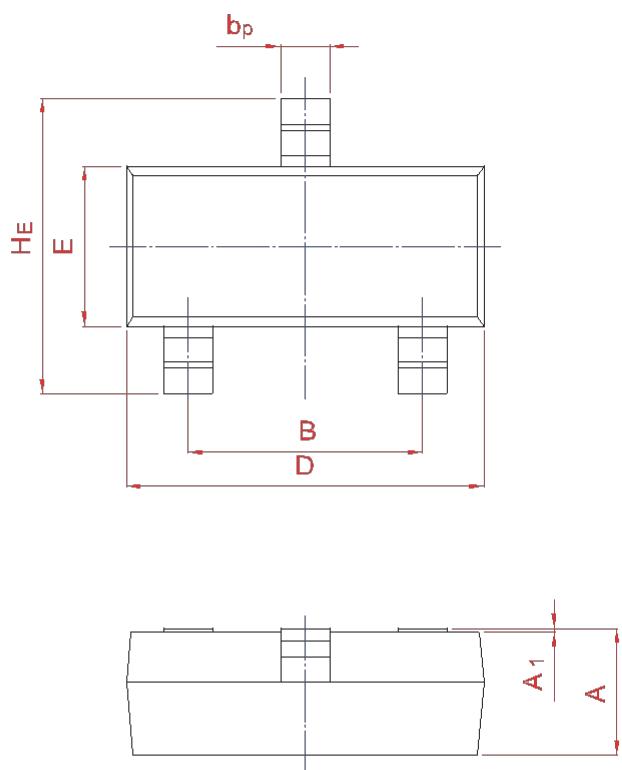
Typical Characteristics



PACKAGE OUTLINE

Plastic surface mounted package; 3 leads

SOT 23



UNIT	A	B	b_p	C	D	E	H_E	A_1	L_p
mm	1.40 0.95	2.04 1.78	0.50 0.35	0.19 0.08	3.10 2.70	1.65 1.20	3.00 2.20	0.100 0.013	0.50 0.20