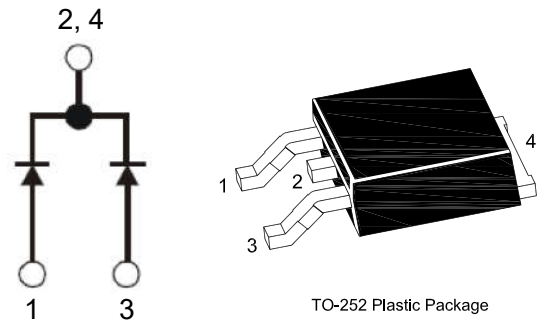


SR660CT

Surface Mount Schottky Barrier Rectifier



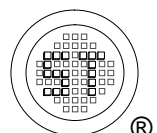
Absolute Maximum Ratings at $T_a = 25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Value	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	60	V
Working Peak Reverse Voltage	V_{RWM}	60	V
DC Blocking Voltage	V_R	60	V
Average Forward Current	$I_{F(AV)}$	3	A
Per Leg		6	
Total			
Peak Forward Surge Current ($t_p = 8.3 \text{ ms}$)	I_{FSM}	80	A
Typical Thermal Resistance Junction to Case ¹⁾	$R_{\theta JC}$	2	$^\circ\text{C/W}$
Operating Junction Temperature Range	T_J	- 65 to + 150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 65 to + 150	$^\circ\text{C}$

¹⁾ Device mounted on Polyimide substrate, 125mm² Copper pad, double-sided, PC Board.

Characteristics at $T_a = 25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage at $I_F = 3 \text{ A}$	V_F	-	-	0.57	V
Reverse Current at $V_R = 60 \text{ V}$ at $V_R = 60 \text{ V}$, $T_J = 125^\circ\text{C}$	I_R	-	-	0.3	mA
		-	5	-	



Electrical Characteristics Curves

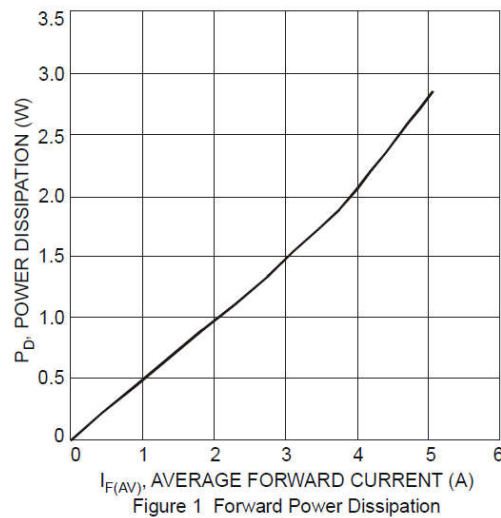


Figure 1 Forward Power Dissipation

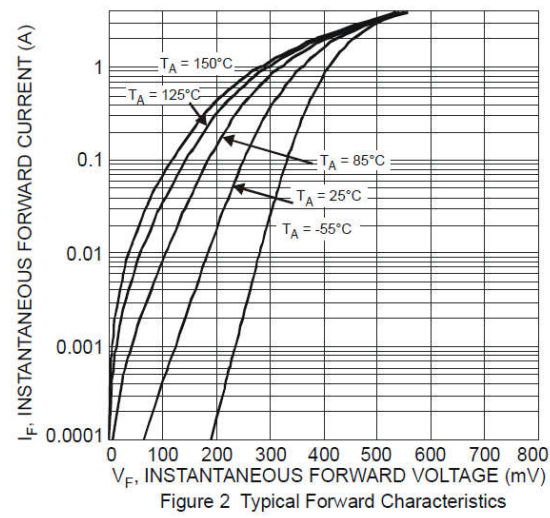


Figure 2 Typical Forward Characteristics

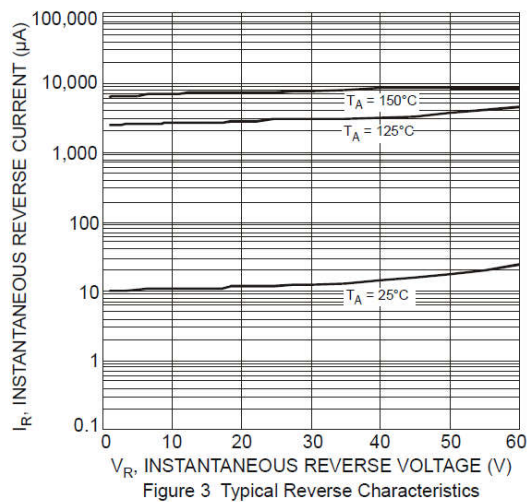
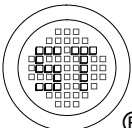


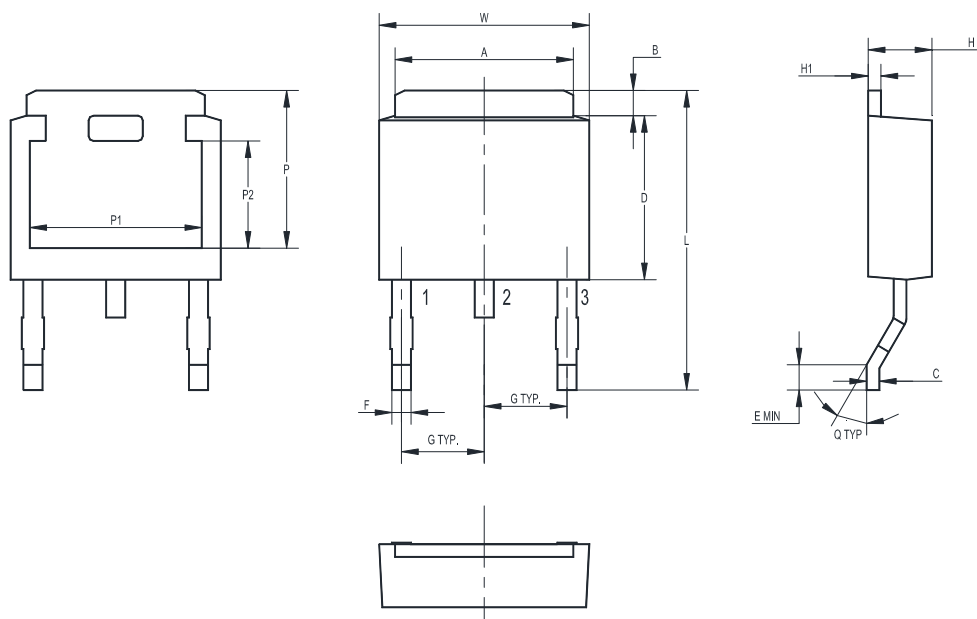
Figure 3 Typical Reverse Characteristics



SR660CT

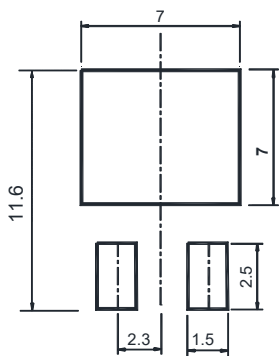
Package Outline Dimensions (Units: mm)

TO-252



UNIT	A	B	C	D	E	F	G	W	H	H1	Q	L	P	P1	P2
mm	5.5	1.20	0.65	6.2	0.8	1.0	2.3	6.7	2.5	0.65	60°	10.7	5.4	5.0	3.4
	4.9	0.85	0.4	5.6	MIN	0.5	TYP.	6.1	2.1	0.4	TYP.	9	5.0	4.6	2.9

Recommended Soldering Footprint



Packing information

Package	Tape Width (mm)	Pitch		Reel Size		Per Reel Packing Quantity
		mm	inch	mm	inch	
TO-252	12	8 ± 0.1	0.315 ± 0.004	330	13	2,500

Marking information

" SR660CT " = Part No. (" * " = HFE grouping Code)

" ***** " = Date Code Marking

Font type: Arial

