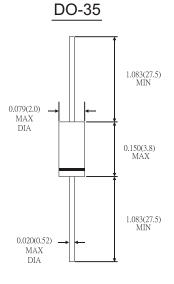
# 1N5711 THUR 1N6263 SMALL SIGNAL SCHOTTKY DIODES

### **FEAT URES**

- For ge neral purpose applications
- · Metal-on-silicon junction Schottky bar rier device which is protected by a PN junc tion gu ard ring. The low forward voltag e drop and fast switching make it ideal for protection of MOS devices, steering, biasing and coupling diodes for fast switching and low logic level applications
- · These diodes are also available in the Mini-MELF cas e with type des igna tion IL5711 and IL6263



### MECHANICAL DATA

#### • Cae DO-35 g la ss c a se

- · Pdcrity: Color band de not es cat hode end
- Weight: Approx. 0.13 gram

Dimensions in inches and (millimeters)

## ABSOLUT E RATINGS(LIMITING VALUES)

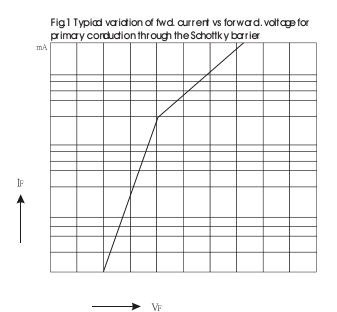
	Symbols	Value	Units
IN5711 IN6263	Vrrm Vrrm	60 70	V V
	Ptot	40 0 <sup>1)</sup>	mW
	IFSM	2.0	mW
	D	12 5	°C
	Tstg	-55 to+150	°C
		IN5711 IN6263 Ptot IFSM TD	IN5711 VRRM 60   IN6263 Ptot 400 <sup>-10</sup> IFSM 2.0   Tj 12.5

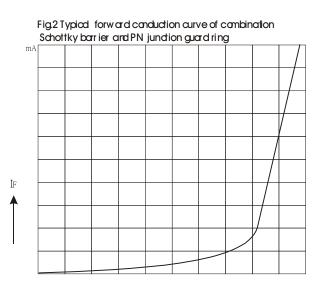
## ELE CT RICAL CHARACTER IST ICS

(Ratings at 25°C am bient temperature un less otherwise specified)

		Sym <b>bo</b> ls	Min.	Тур.	Max.	Units
Re ve rse breakover voltage at IR=10 A	IN5711 IN6263	VR VR	70 60			V V
Le akage current at VR= 50V		IR			20 0	nA
Forward voltage drop at J⊫ 1mA J≡ 15mA		VF VF			0.41 1.0	V V
Junction Capacitance at VR=0V,f=	1 MHz	Сл			2.0	pF
Reverse Recovery time at Ir=RI = 5 m	A,re cov er to 0.1 IR	trr			1	ns
The rm a l re sista nc e		R ja			0.3	K/m W







→ VF

Fig3 Typical variation of reverse current at various temperatures

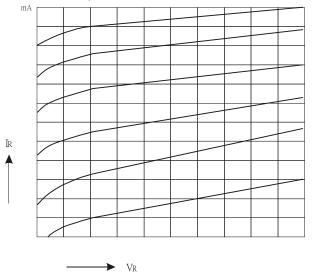


Fig4 Typical capacitance curve as a function of

