

SCHOTTKY LOW BARRIER DIODE

DESCRIPTION:

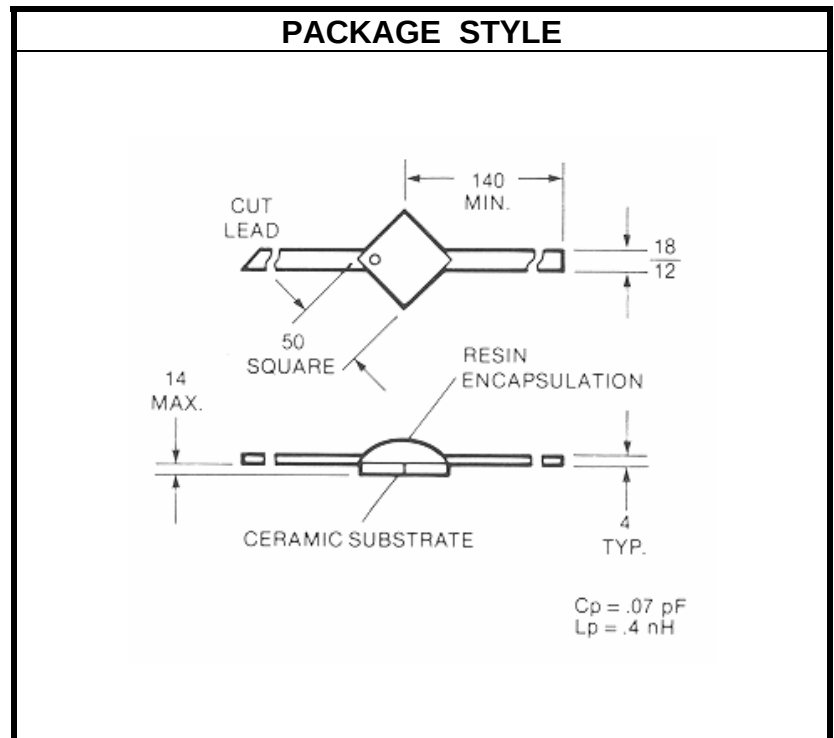
The **ASI 5082-2775** is a Low Barrier Schottky Diode designed for General Purpose Mixer Applications.

FEATURES INCLUDE:

- Small size
- Low noise figure
- Batch Match of 20 units min.

MAXIMUM RATINGS:

P_{DISS}	125 mW @ T _A = 25 °C
T_J	-65 °C to +150 °C
T_{STG}	-65 °C to +150 °C
θ_{JC}	1000 °C/W



CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
NF	DC Load Resistance = 0 Ω L.O. Power = 1.0 mW I _F = 30 MHz	150		6.0	DB
Z_{IF}				350	Ω
SRW				1.5:1	---
C_J	V _R = 0 V		0.18		pF
TSS	20μA Bias		-44		dBm
γ	P _{IN} = -40 dBm		10		mV/μW
R_V	Video Bandwidth = 2.0 MHz f = 10 GHz		1800		Ω

Minimum Batch size = 20 units