TRANSISTOR



Germanium p-n-p type used in converter (mixer-oscillator) applications in AM automobile radio receivers. In an unneutralized circuit, this type can provide a useful conversion power gain of 37 db at 1.5

2N1639

megacycles. JEDEC No. TO-1 package; outline 4, Outlines Section. This type is identical with type 2N1637 except for the following items;

MAXIMUM RATINGS		
Emitter-to-Base Voltage (with collector open)	-0.5 max	volt
CHARACTERISTICS Collector-Cutoff Current (with collector-to-base volts $= -12$		
and emitter current $= 0$) Emitter-Cutoff Current (with emitter-to-base volts $= -0.5$	-7	μa
and collector current = 0)	-8	μ B,
In Common-Base Circuit		
Small-Signal Forward Current-Transfer Ratio (with collector-to-base volts $= -12$, collector ma $= -1$, and frequency		
= 1 kilocycle)	0.986	1
In Common-Emitter Circuit	AN	01

1	.240 MAX.	-
AIO MAX.	TO-1	
1.5		
MIN.	_000-	3 LEADS ,019 DIA.



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-5	-11	volts
		ma
		Mc
1850		ohms
0.1	0.2	megohm
100	100	mv
	37	mv db
00.4		
	-0.65 1.5 1850	-0.65