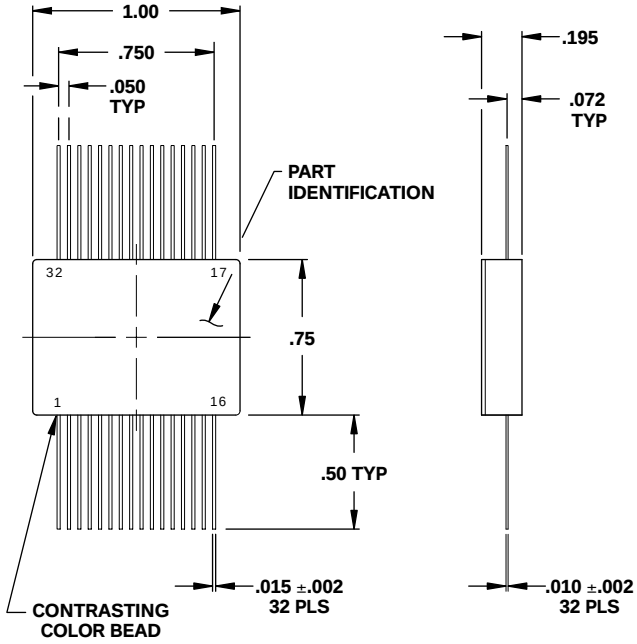
FEATURES

- **High Density Hybrid**
- **65 dB Voltage Conversion Gain**
- **63 dB Attenuation in 1 dB Steps**
- **Attenuation, Noise Figure and Compression Adapts to Input Signal Levels**

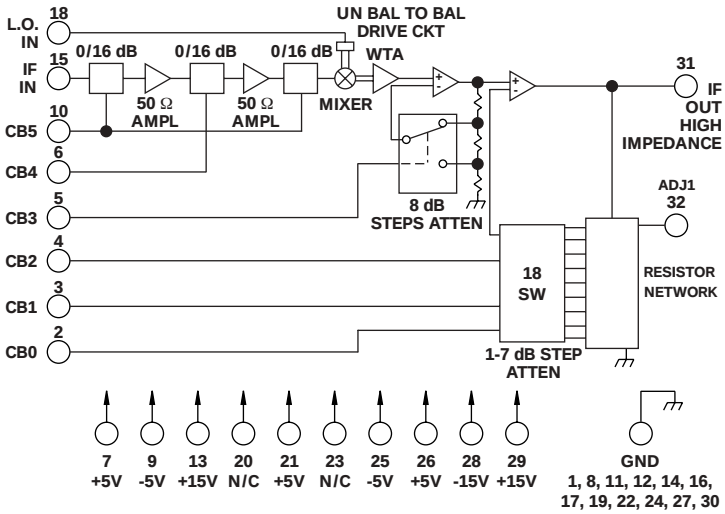
HDI

MODEL NO. DHD08063

IF / AGC HYBRID



.xx = .02
.xxx = .010



N/C = NO INTERNAL CONNECTION

GUARANTEED PERFORMANCE

Parameter		Min	Typ	Max	Units	Conditions
Operating Freq.	*IF Input*	10		100	MHz	
	LO Input	10		100	MHz	
	IF Output	300		700	KHz	
DC Current			39	50	mA	At +5 VDC Supply
			39	50	mA	At -5 VDC Supply
			130	150	mA	At +15 VDC Supply
			22	30	mA	At -15 VDC Supply
Control Type			TTL			6 Line, See Table
						Logic "0" = Thru
Control Current	*High*		±1	±100	μA	VIH = +2.7 V
	Low		±1	±100	μA	VIL = +0.5 V
Conversion Voltage Gain		63	65	66	dB	
Attenuation	*LSB*		1		dB	
	Range	0		63	dB	1, 2, 4, 8, 16, 32, 64 dB Bits
VSWR			1.2/1	2.0/1		
Impedance			50		OHMS	At Input
			510		OHMS	At Output
Switching Speed			1.6		μSec	
Transition (Rise/Fall) Time			1.5		μSec	
RF Power	*At LO Input*	-12	-10	-8	dBm	
	At IF Input			-35	dBm	At 0 dB Attenuation
				+5	dBm	At 55 dB Attenuation
Initial Noise Figure			11.3	15	dB	Single Sideband, at Minimum Attenuation
Operating Temperature		-40	+25	+100	°C	TA