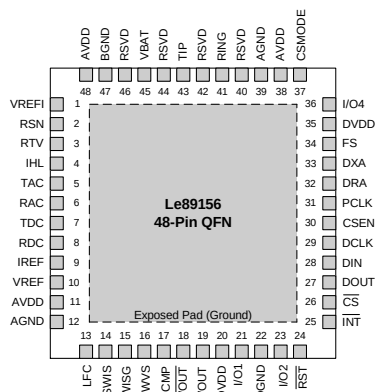


Selected Electrical Specifications

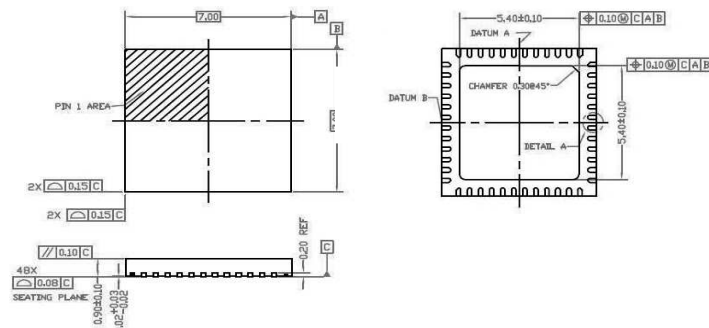
Description	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Ambient Temperature, under Bias	T_A		-40°C		+85	°C
Digital and Analog Supply Voltages	DVDD, AVDD		3.135	3.3	3.465	V_{DC}
Battery Voltage	V_{BAT}		-15	-90	-105	V_{DC}
Line Current	I_{LA}	2 kft on 26 AWG line	20	26	40	mA
Ringing Voltage	V_{RING}	Battery Tracking, 5 REN			60	V_{RMS}
		Fixed Tracking, 5 REN			65	
Two-Wire Return Loss	R_L	1 kHz		30		dB
Longitudinal Balance		1 kHz		58		dB
Package Power Consumption	P_D					mW
Disconnect		Switcher on, but no DC feed to line		20		
Low Power Standby, On-Hook		Switcher on, with limited feed to line		46		
Standby, On-Hook		Normal feed to line, $V_{OC} = -57 V_{DC}$		86		
Talk (Off-Hook)		300 Ω		453		
Ringing		50 V_{RMS} into 1 REN		386		
		50 V_{RMS} into 5 REN		583		
Maximum Package Power Dissipation Capability, Continuous	$P_{D(max)}$	$T_A = 85^\circ\text{C}$		1.7		W
Junction to Ambient Thermal Resistance	θ_{JA}			23.5		°C/W

Note: Refer to the Le89156 Single Channel Wideband FXS Advance Data Sheet for test circuits and additional details

Device Pinout



Package Drawings



Related Collateral

- Le89156 Single Channel Wideband FXS Advance Data Sheet, Document ID# 141559
- Le71HR8927G Reference Design User's Guide for the Le89156, Document ID# 142126
- VoicePath™ API-II CSLAC Reference Guide, Document ID#: 081301