Model Number 377C01	Ρ	RECISION CO	ONDENS	SER MICROPHONE	Revision: L ECN #: 49944
Performance	ENGLISH	SI		OPTIONAL VERSIONS	
Nominal Microphone Diameter	1/4"	1/4"		Optional versions have identical specifications and accessories a	s listed for the standard model
Frequency Response Characteristic(at 0°	Free-Field	Free-Field		except where noted below. More than one option	n may be used.
ncidence)	nee neid	ince held			
Open Circuit Sensitivity	2.0 mV/Pa	2.0 mV/Pa	[1]		
	-				
Open Circuit Sensitivity(± 3 dB)	- 54 dB re 1 V/Pa	- 54 dB re 1 V/Pa	[1]		
Frequency Range(+2 / -3 dB)	3 to 100,000 Hz	3 to 100,000 Hz			
Frequency Range(± 2 dB)	4 to 80,000 Hz	4 to 80,000 Hz			
Frequency Range(± 1 dB)	6 to 12,500 Hz	6 to 12,500 Hz			
ower Limiting Frequency(- 3 dB)	0.25 to 3.0 Hz	0.25 to 3.0 Hz			
Resonant Frequency(90° Phase Shift)	62 kHz	62 kHz	[2]		
nherent Noise	< 35 dB(A) re 20 µPa	< 35 dB(A) re 20 µPa			
Dynamic Range(3% Distortion Limit)	166 dB re 20 uPa	166 dB re 20 µPa	[2]		
Standards Designation(IEC 61094-4)	WS3F	WS3F	[=]		
	WS5F	VVS5F			
nvironmental					
Temperature Range(Operating)	-40 to +248 °F	-40 to +120 °C			
emperature Coefficient of Sensitivity(+14 o +122°F (-10 to +50°C))	0.003 dB/°F	0.006 dB/°C	[2][1]		
Static Pressure Coefficient	-0.009 dB/kPa	-0.009 dB/kPa	[2][1]		
Humidity Coefficient of Sensitivity(0 to 100%, non-condensing)	± 0.001 dB/%RH	± 0.001 dB/%RH	[1]		
nfluence of Axial Vibration(0.1g (1 m/s²)) Electrical	60 dB re 20 µPa	60 dB re 20 µPa	[2]		
Capacitance(Polarized)	4.5 pF	4.5 pF	[2]		
Polarization Voltage	οv	οv	[3]		
Physical			[-]		
Housing Material	Stainless Alloy	Stainless Alloy			
	,	,			
Venting	Rear	Rear			
Mounting Thread	0.2244 - 60 UNS	5.7 mm - 60 UNS			
Mounting Thread	0.25 - 60 UNS	6.35 mm - 60 UNS			
Size - Diameter(with grid)	0.28 in	7.0 mm			
Size - Diameter(without grid)	0.25 in	6.4 mm			
Size - Height(with grid)	0.41 in	10.5 mm			
Size - Height(without grid)	0.36 in	9.1 mm			
Weight	0.06 oz	1.8 gm	[2]	NOTES:	
reight	0.00 02	1.0 gill	[=]	[1]re 250 Hz	
				[2]Typical.	
				[3]Prepolarized	
				[4]See PCB Declaration of Conformance PS167 for details.	
				SUPPLIED ACCESSORIES:	
				Model ACS-20 Calibration of Precision Condensor Microphones (1)
				Entered: LK Engineer: SPW Sales: MV App	roved: AJA Spec Number:
				Date: 10/15/2019 Date: 10/15/2019 Date: 10/15/2019 Date	:: 10/15/2019 40152
					10ne: 716-684-0001
				PCB PIF70TRONICS	x: 716-684-0987
NII specifications are at room tomporatives we	loss otherwise specified				
All specifications are at room temperature un	less otherwise specified.			3425 Walden Avenue, Depew, NY 14043	x: 716-684-0987
All specifications are at room temperature un n the interest of constant product improveme CP [®] is a registered trademark of PCB Piezotr	ent, we reserve the right to ch	ange specifications without	notice.	WPCB PIEZOTRONICS 3425 Walden Avenue, Depew, NY 14043	ix: 716-684-0987