



DIMENSIONS ARE IN INCHES

SPECIFICATIONS

Parameter	Name	Units	MIN	MAX	NOTES	REMARK
Input Voltage	B+	VDC	2.0	3.0	1	
Input Current	I _{in}	mA	—	16		+23°C
Cathode Supply	V1	-VDC	160	240	2	Ref. to MCP-In
BSP Impedance	V1Z _o	G ohm	5	18		
Cathode Clamp	V1c	-VDC	1	3		@1mW load
Cathode Clamp	V1c	-VDC	2	8		@90mW load
MCP-In Supply	V2	-VDC	600	1000	3	Ref to MCP-Out
MCP-Out Supply	V4	VDC	0	0		Grounded MCP-Out
MCP Load	RL2	M ohm	150	700		+23°C limits
Anode Supply	V3	VDC	5600	6000	2	Ref to MCP-Out
Anode Load	I _B	nA	—	—		Limited by ABC
ABC Finish	I _{3F}	nA	12	42	3,4,5	
ABC Spread	ΔI ₃	nA	0	6	6	ΔI ₃ = I _{3F} - I _{3S}
Temp Operation	Temp O	°C	-51	+52		
Temp Storage	Temp S	°C	-57	+65		

Notes:

1. Overvoltage verified to 4.0 VDC without damage
2. Fixed within range indicated.
3. Adjustable over minimum range indicated
4. All defined P/S performance parameters guaranteed within specified limits for all ABC finish currents set within the range of 12 to 42 nA only.
5. I_{3F} is the anode current required to reduce V2 to -200 VDC.
6. I_{3S} is the anode current required to reduce V2 by 10%
7. Unless otherwise specified, limits apply over full operating temperature range.

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