

NSM 1416 and NSM 2416

ALPHANUMERIC DISPLAYS with INTEGRAL DRIVER

Features:

- End stackable
- TTL compatible
- 64 character ASCII format
- On board memory, decode, mix, drive
- Totally encapsulated package
- Independent and asynchronous digit access
- Ultra-fast access time—300 ns
- Parallel Entry
- μ P bus compatible

Applications

- Hand held terminals
- Telecommunication
- Instrumentations
- Minicomputers
- Word Processors

NSM1416		Symbol	Parameter	Conditions	Min.	Typ.	Max.	Units
Outline DRW #NV	NSM 1416	VCC		(VCC=5.0) All segs. on	4.5	5.5	V	mA
		ICC		(VCC=5.0) Eight seg./dig.		75		mA
		ICC		(VCC=5.0) Display blank		40		mA
		VIL		(VCC=5.0)		0.6		V
		VIH		(VCC=5.0)	2.4		0.4	V
		IIL		(VCC=5.0)		35	125	μ A
		t _w	Write Pulse	VCC=5.0V	240			ns
		t _{DS}	Data Set-up Time	VCC=5.0V	100			ns
		t _{DH}	Data Hold Time	VCC=5.0V	50			ns
		t _{AS}	Address Set-up Time	VCC=5.0V	300			ns
		t _{AH}	Address Hold Time	VCC=5.0V	0			ns
		Segment Luminous Intensity		VCC=5.0V		0.5		mcd.
		Intensity Matching, Within A Digit		VCC=5.0V		± 33		%
		Off-Axis Viewing Angle		VCC=5.0V		± 20		degrees
		Digit Size				160		mils.
		Special Peak Wavelength		VCC=5.0V		660		nm
		Special Width Half Intensity		VCC=5.0V		40		nm
17 segments/digit Outline DRW # NW	NSM 2416	Data is the same as for the NSM-1416 except the off-axis viewing angle is $\pm 50^\circ$ and t _{AS} = 500 nS						
	NSM 2416H	Data is the same as for the NSM-2416 except t _{AS} = 300 nS						

NSM-1416
CHARACTER SET

CHARACTER SET													
D6 D5 D4 D3 D2 D1 D0				D0	L	H	L	H	L	H	L	H	
				D1	L	L	H	H	L	L	H	H	L
				D2	L	L	L	L	H	H	H	H	H
				D3									
L	H	L	L		0	1	2	3	4	5	6	7	
L	H	L	H		<	>	*	+	,	--	-	/	
L	H	H	L		0	1	2	3	4	5	6	7	
L	H	H	H		8	9	-	=	<	=	>	?	
H	L	L	L		0	A	B	C	D	E	F	G	
H	L	L	H		H	I	J	K	L	M	N	O	
H	L	H	L		P	Q	R	S	T	U	V	W	
H	L	H	H		X	Y	Z	[	\	]	^	_	

NSM-2416
CHARACTER SET

	D0	L	H	L	H	L	H	L	H	L	H	L	H	L	H	L	H
	D1	L	L	L	H	H	L	L	H	H	L	L	L	H	H	L	L
	D2	L	L	L	L	L	L	H	H	H	H	L	L	L	H	H	H
	D3	L	L	L	L	L	L	L	L	L	H	H	H	H	H	H	H
D6D5D4	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	
LHL	2	'	"	#	\$	%	&	'	(	)	*	+	,	-	.	/	
LHH	3	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	
HLL	4	@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
H LH	5	P	Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^	

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